

## METHODS AND SYSTEMS FOR MEASURING CARDIAC PARAMETERS

### ABSTRACT OF THE DISCLOSURE

Methods and systems of the present invention provide for measurement of various cardiac parameters. Methods generally involve causing a change in volume and/or pressure in a heart chamber, measuring the change, and calculating at least one cardiac parameter based on the change. Systems typically include at least one actuator, at least one sensor, and a catheter or other device for positioning at least partially in a heart chamber. In some embodiments, the system may also include a controller, such as a computer or other processor, an external actuator, an external sensor, and/or an ECG device. Methods and systems of the invention may be used to more accurately diagnose cardiac conditions in order to make more informed treatment decisions.

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